IN THE CLAIMS

1. (Currently Amended) A software-implemented method of configuring a computer to associate with [[a network]] one or more networks through a corresponding wireless communication link, comprising:

creating a [[computer profile]] plurality of computer profiles for connection to at least one of the networks [[corresponding to a network]], each network having [[an Extended]] an associated Service Set identifier, wherein [[the profile]] at least one of the plurality of computer profiles includes the identifier;

using the [[computer profile]] at least one of the plurality of computer profiles to cause the computer to recognize the [[network]] at least one of the networks; and

creating a communication link between the computer and the [[network]] at least one of the networks.

2. (Currently Amended) The method of claim 1, further comprising:

using variable network parameters such as encryption key status, frequency, and power requirements to create the [[computer profile]] at least one of the plurality of computer profiles.

3. (Currently Amended) The method of claim 1, wherein the software is integrated into [[the]] an operating system of the computer.

4. (Currently Amended) The method of claim 1, further comprising:

encrypting the data passing over the communication link between the computer and the [[network]] at least one of the networks.

5. (Currently Amended) The method of claim 1, further comprising:

programming the computer to contain [[multiple]] said plurality of computer profiles to recognize and connect with multiple unrelated networks of said one or more networks.

6. (Currently Amended) The method of claim 5 further comprising:

creating an additional computer [[profiles]] profile; and [[,each of the profiles corresponding]]

associating said additional computer profile to the one or more of the [[multiple unrelated]] networks.

7. (Currently Amended) The method of claim 1, further comprising: [[at a supporting peripheral,]]

associating each computer profile with a wireless network based on a priority value until there is a successful association or [[the]] a list of profiles is exhausted.

8. (Currently Amended) The method of claim 7, further comprising:

incrementing a counter associated with [[the]] a selected computer profile each time that computer profile is matched to a network of said one or more networks.

9. (Currently Amended) The method of claim 8, further comprising:

utilizing [[the]] a counter value to prioritize subsequent associations of the plurality of computer profiles and [[wireless]] the networks.

10. (Currently Amended) The method of claim 7, further comprising:

storing the name of [[a selected]] an associated computer profile for use by other programs.

11. (Original) A method of creating profiles for configuring a computer to connect to a wireless network using a graphical user interface (GUI) comprising:

prompting the user to enter profile information associated with multiple networks within a wireless network;

entering the profile information;

storing the profile information for later retrieval; and

configuring the computer to connect to a particular network based on a particular profile.

12. (Original) The method of claim 11 wherein the profile includes an Extended Service Set Identifier corresponding to a particular network.

13. (Original) The method of claim 11 further comprising:

providing the user with multiple graphical user interface (GUI) style screens, wherein the screens allow the user to enter variable network parameters such as encryption key status, frequency, and power requirements.

14. (Currently Amended) A method for enabling a mobile processor to connect to a plurality of networks, comprising:

storing data representative of each network;

acquiring signals from each network [[which indicates the proximity]] of the [[proximity]] plurality of networks; and

enabling a user to select a particular network from [[a]] the plurality of networks.

15. (Currently Amended) An article comprising a computer-readable medium that stores computer-executable instructions for configuring a computer with a network through a wireless communication link, the instructions causing a computer to:

create a [[profile]] plurality of profiles for connection to at least one of one or more networks [[using a corresponding to a network]], each network having [[an Extended]] an associated Service Set identifier, wherein [[the profile]] at least one of the plurality of computer profiles includes the identifier, wherein the [[profile]] at least one of the plurality of computer profiles is created using a graphical user interface;

use the [[computer profile]] at least one of the plurality of computer profiles to cause the adapter to recognize the [[network]] at least one of the networks; and

create a communication link between the connector and the [[network]] at least one of one or more networks.

16. (Original) A wireless network adapter, comprising:

an input device for receiving data;

a display device for allowing a user to examine the received data;

a processor programmed to link the adapter with any number of wireless networks; and

a memory containing a process that associates the adapter to one or more unique networks.

17. (Currently Amended) The adapter of claim 16, further comprising a scanner capable of reading bar code data.

18. (Currently Amended) A configurable access point for allowing a user to match the quality of service provided over a channel in a wireless local area network with the quality of service provided over the packetized wired network connected to the wireless local area network (WLAN) at the access point so as to substantially achieve a uniform quality of service from a source to a destination node, comprising [[he]] the steps of:

specifying the WLAN quality of service parameter at the access point associated with the wireless channel connected to [[the source/]] a mobile unit through the source node;

adjusting medium access control (MAC) and physical (PHY) level operation parameters at the access point and at the mobile unit so that the specified quality of service over the wireless link is enabled;

determining the quality of service levels available over the wired communications link and the wireless link, if applicable, at the destination;

specifying the end-to-end quality of service levels based upon the available levels over the links; and

transmitting a message from source to destination with the specified quality of service at each link.

19. (Currently Amended) A configured wireless network, including a plurality of mobile or stationary access points and optionally at least one host computer connected to said access points, and a plurality of remote mobile wireless units, at least some of the units being capable of communicating with at least one of the access points when located within a predetermined range therefrom and being normally associated with and in communication with a single one of such access points, each mobile unit having a unique user address, comprising: a computer associated with [[a network]] one or more networks using [[a]] software [[implementation]] for communications; and a [[computer profile]] plurality of computer profiles stored [[to correspond to the network association]] for connection to at least one of the networks; [[and a computer profile used to connect to the network]].

20. (Currently Amended) The network of claim 19, further comprising:

supporting software integrated into [[the computer]] an operating system of the computer.

21. (Currently Amended) The network of claim 19, further comprising:

one or more peripherals that create [[the]] an association between the [[network]] at least one of the networks and the computer.

22. (New) A method of configuring a processor-based system for communications, the method comprising:

creating a plurality of network profiles for connection to one or more networks;

selecting at least one of the plurality of network profiles; and

establishing a communication link between the processor-based system and at least one of the networks based on the selected network profile.

23. (New) The method of claim 22, further comprising:

using variable network parameters such as encryption key status, frequency, and power requirements to create the at least one of the network profile.

24. (New) The method of claim 22, wherein the method is performed by an operating system of the processor-based system.

25. (New) The method of claim 22, further comprising encrypting the data passing over the communication link between the processor-based system and the at least one of the network.

26. (New) The method of claim 22, further comprising allowing the processor-based system to use one or more of the plurality of network profiles to enable communications with one or more of the plurality of networks.

27. (New) The method of claim 22, wherein selecting the at least one network profile comprises selecting the at least one of the plurality network profiles based on a priority scheme.

28. (New) The method of claim 27, wherein selecting the at least one network profile based on the priority scheme comprises selecting the at least one network profile based on a communication characteristic of one of plurality of networks associated with the network profile.

29. (New) The method of claim 22, further comprising incrementing a counter associated with the selected network profile each time that profile is matched to one or more of the networks.

30. (New) The method of claim 29, further comprising utilizing the counter value to prioritize subsequent associations of the plurality of network profiles and the networks.

31. (New) The method of claim 27, wherein the priority scheme is based on at least one of an availability of the network, quality of service associated with the network, frequency of use of the network by the processor-based system, and last usage of the network by the processor-based system.